DealComposer Functions

FIG. 2A

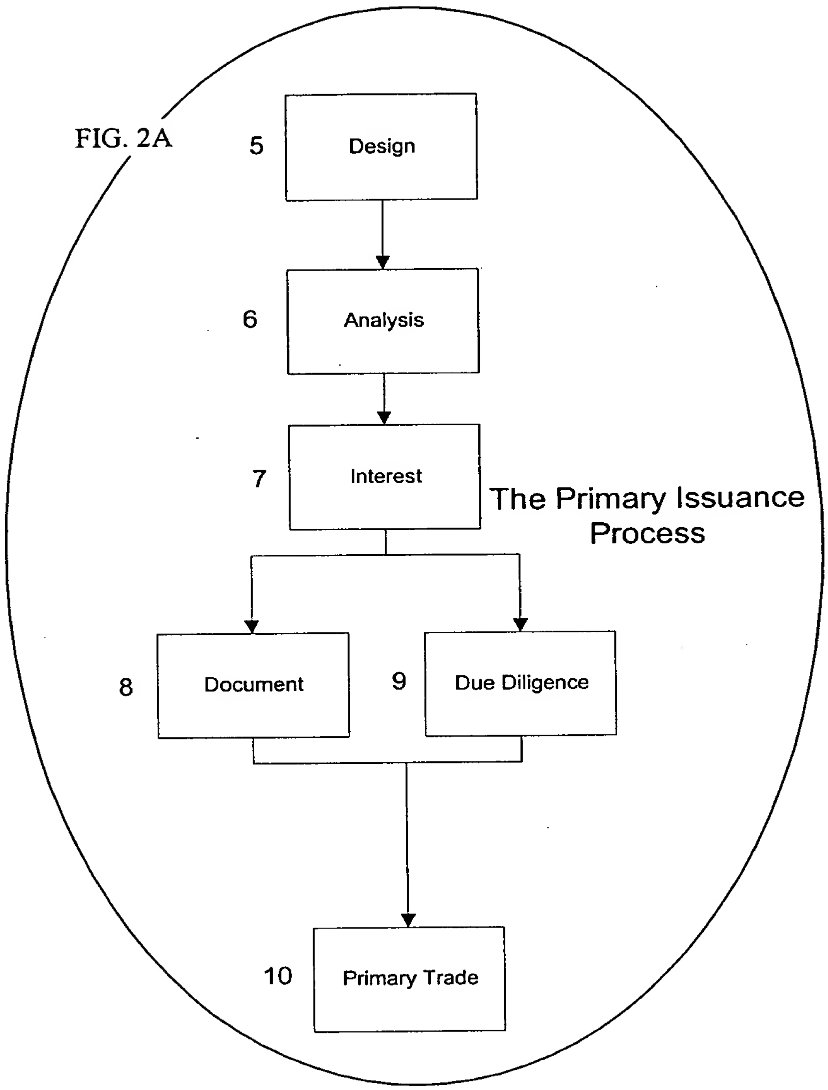


FIG. 1

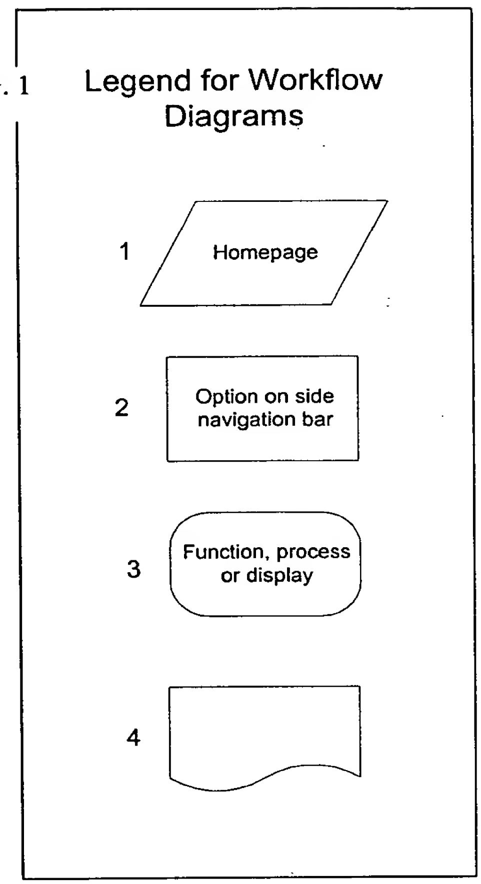


FIG. 2B

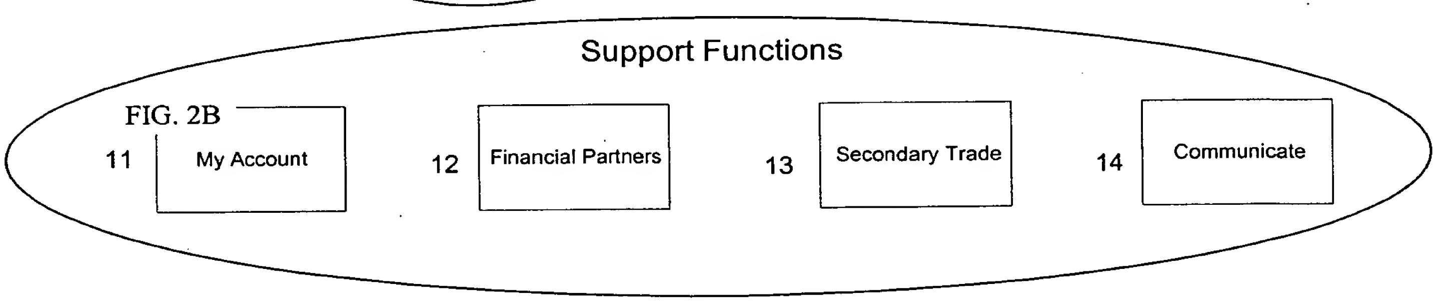


FIG. 2C

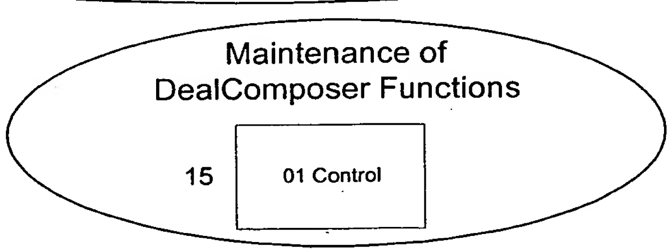


FIG. 3

Design

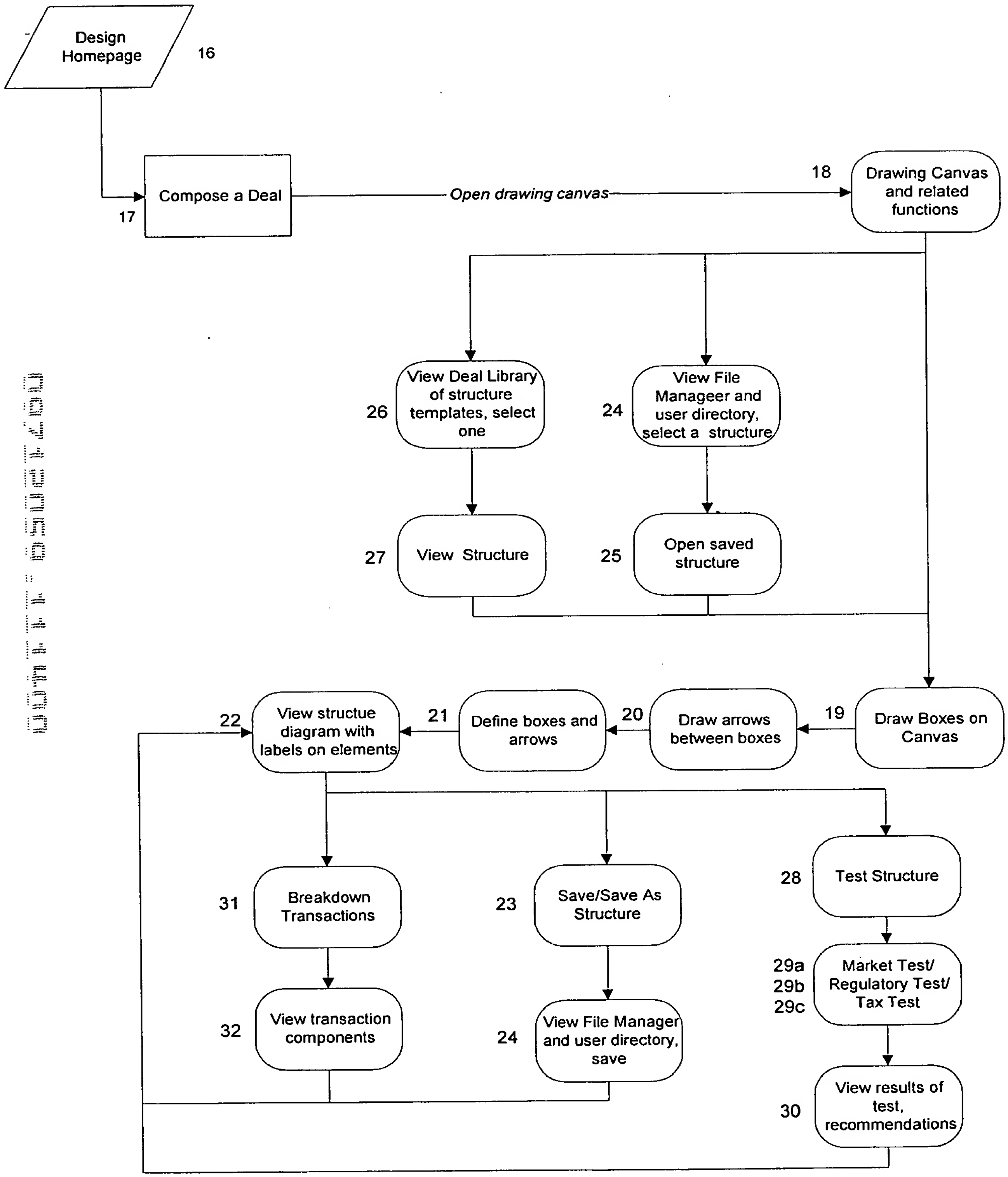

Design Homepage
16
Compose a Deal
17
Open drawing canvas
18
Drawing Canvas and related functions
26
View Deal Library of structure templates, select one
24
View File Manageer and user directory, select a structure
27
View Structure
25
Open saved structure
22
View structue diagram with labels on elements
21
Define boxes and arrows
20
Draw arrows between boxes
19
Draw Boxes on Canvas
31
Breakdown Transactions
23
Save/Save As Structure
28
Test Structure
29a
29b
29c
Market Test/ Regulatory Test/ Tax Test
32
View transaction components
24
View File Manager and user directory, save
30
View results of test, recommendations

FIG. 4

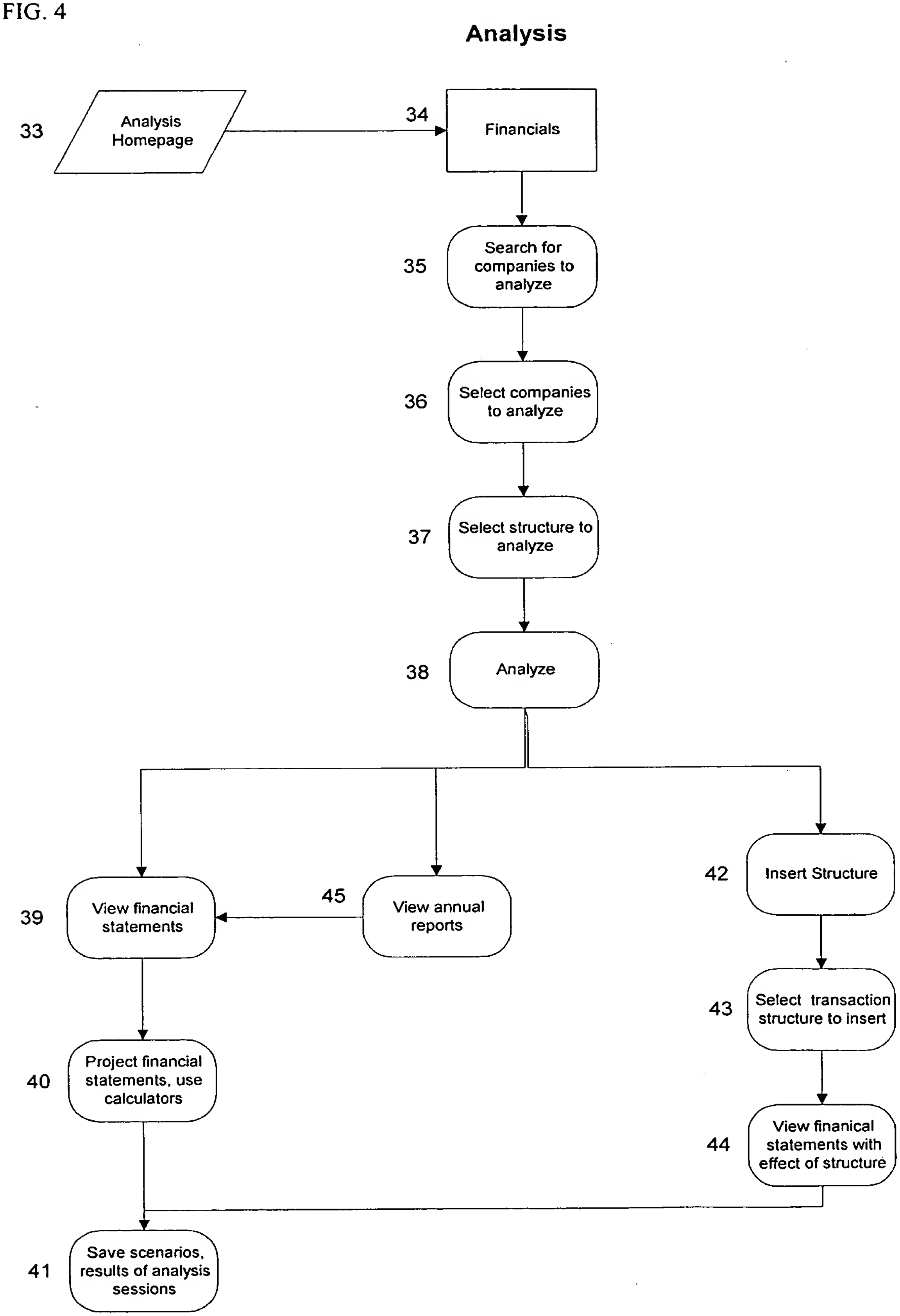

Analysis
33
Analysis Homepage
34
Financials
35
Search for companies to analyze
36
Select companies to analyze
37
Select structure to analyze
38
Analyze
39
View financial statements
45
View annual reports
42
Insert Structure
43
Select transaction structure to insert
40
Project financial statements, use calculators
44
View finanical statements with effect of structure
41
Save scenarios, results of analysis sessions

FIG. 5

Interest

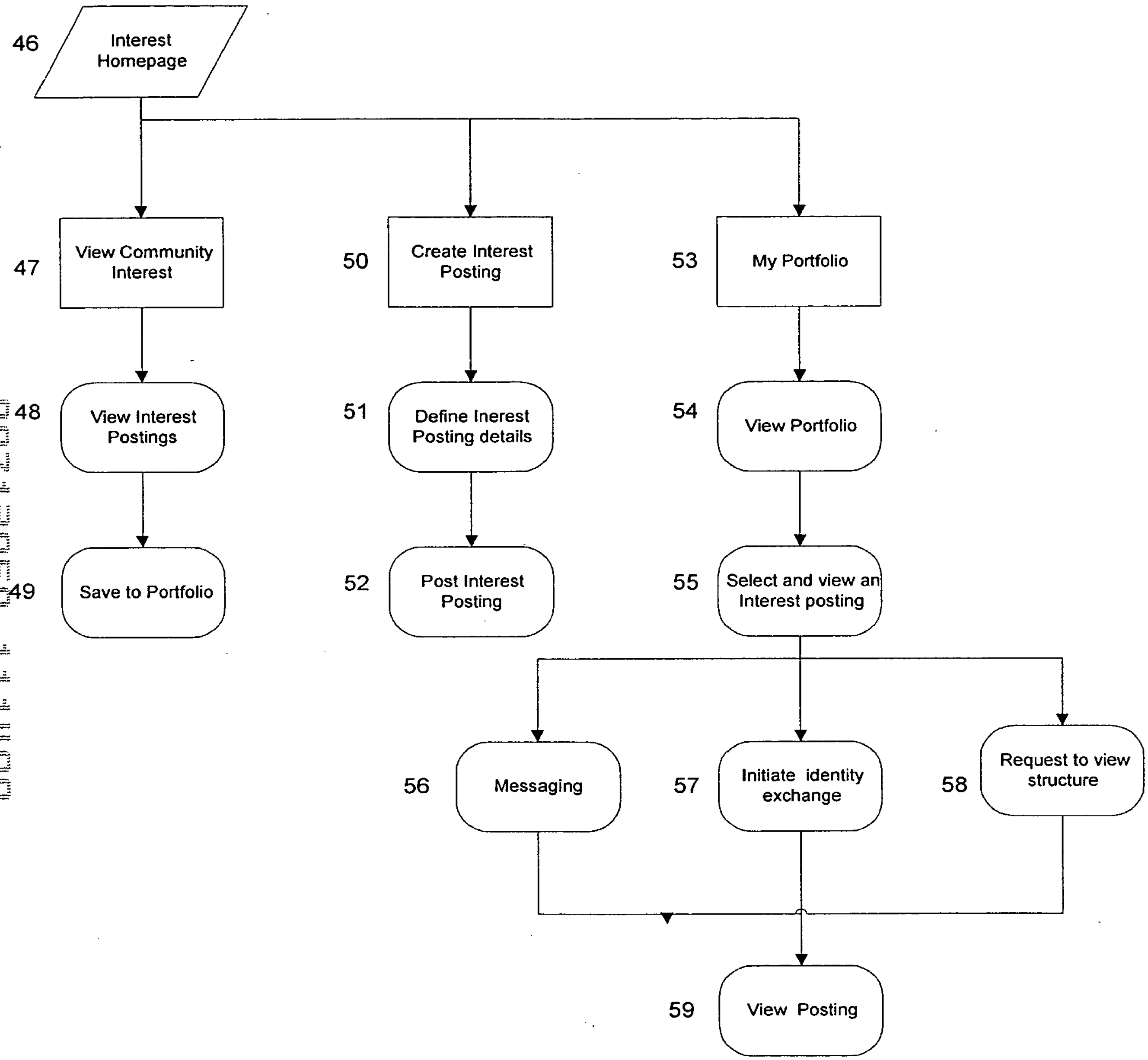
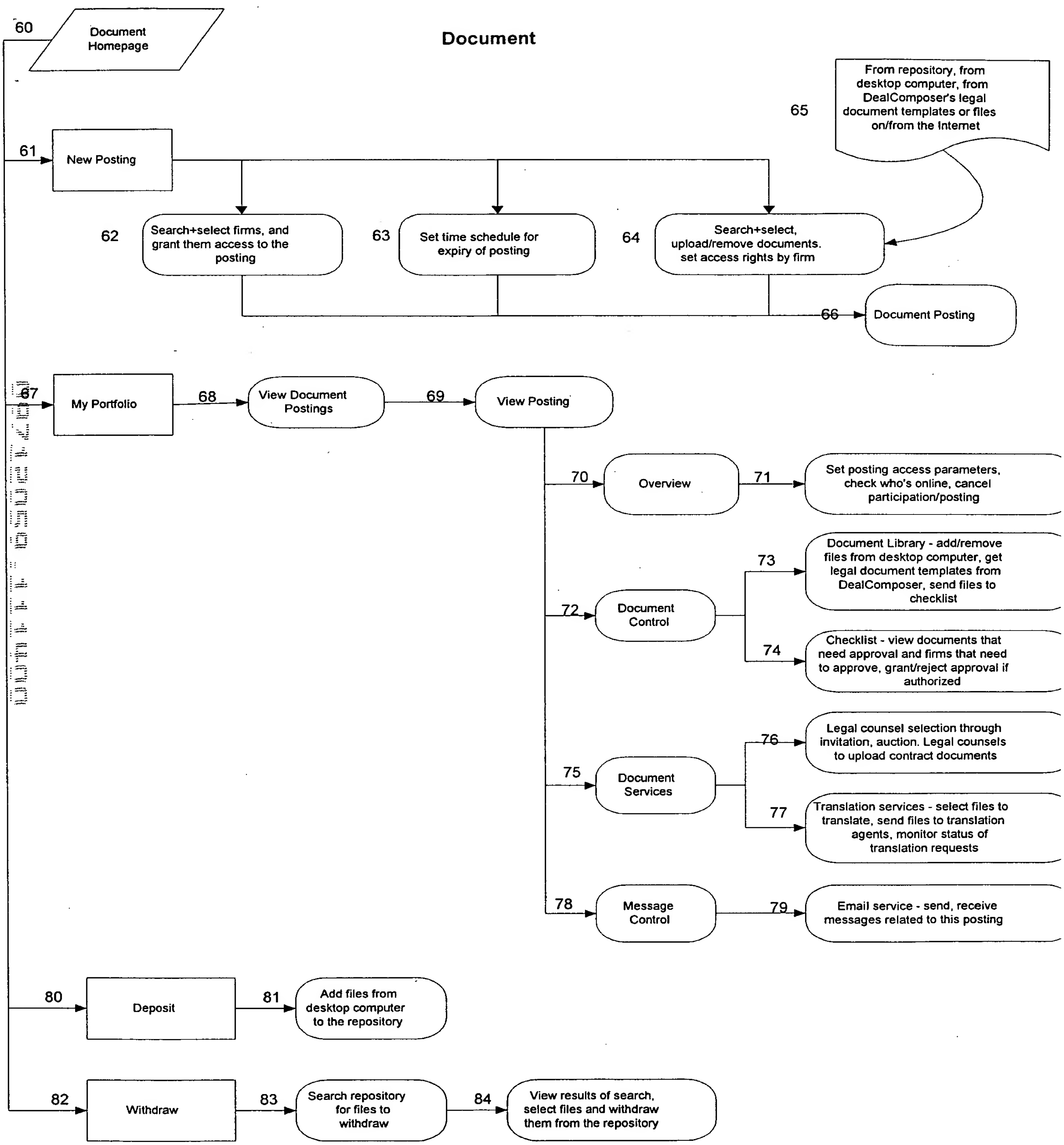
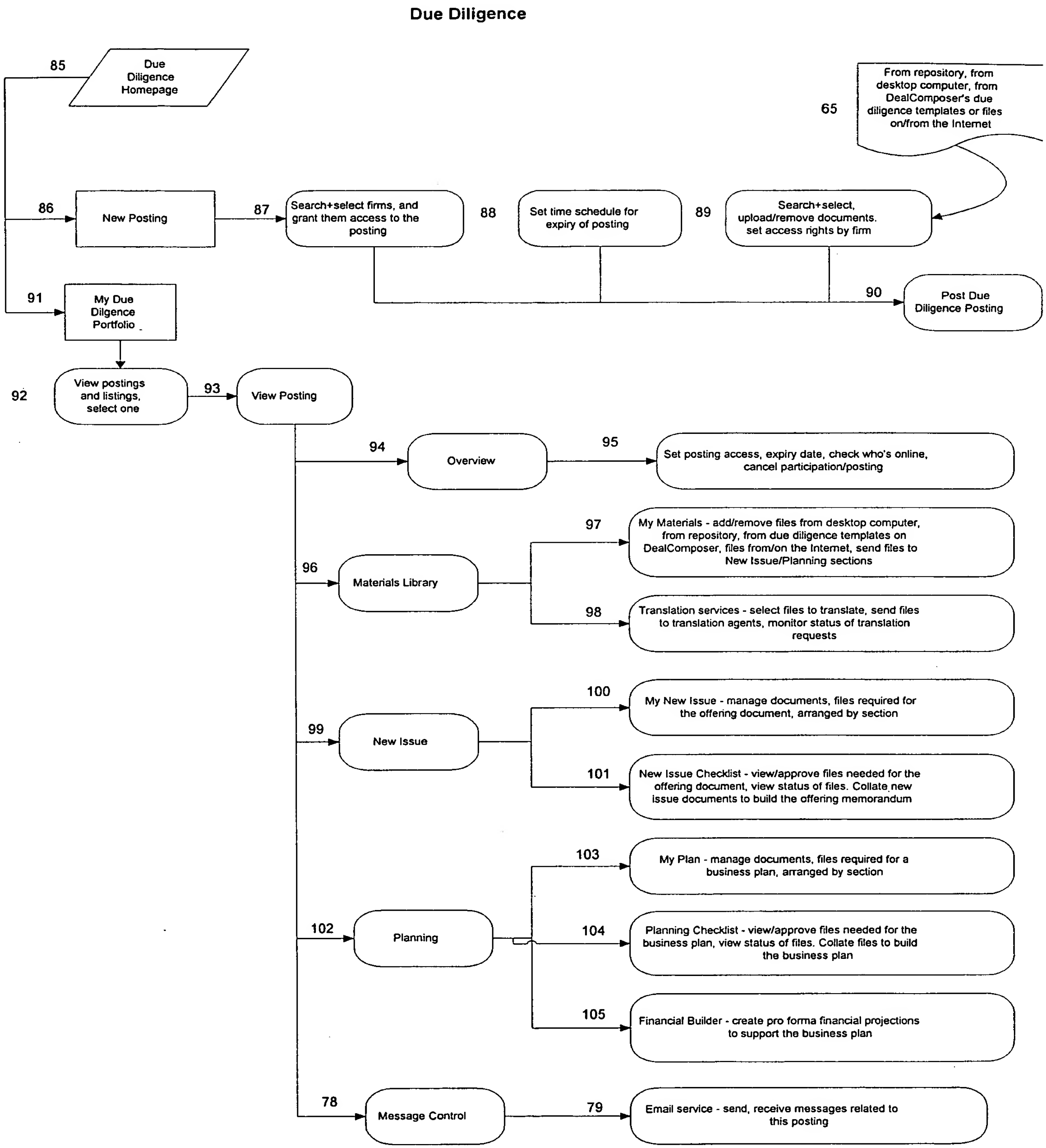


FIG. 6



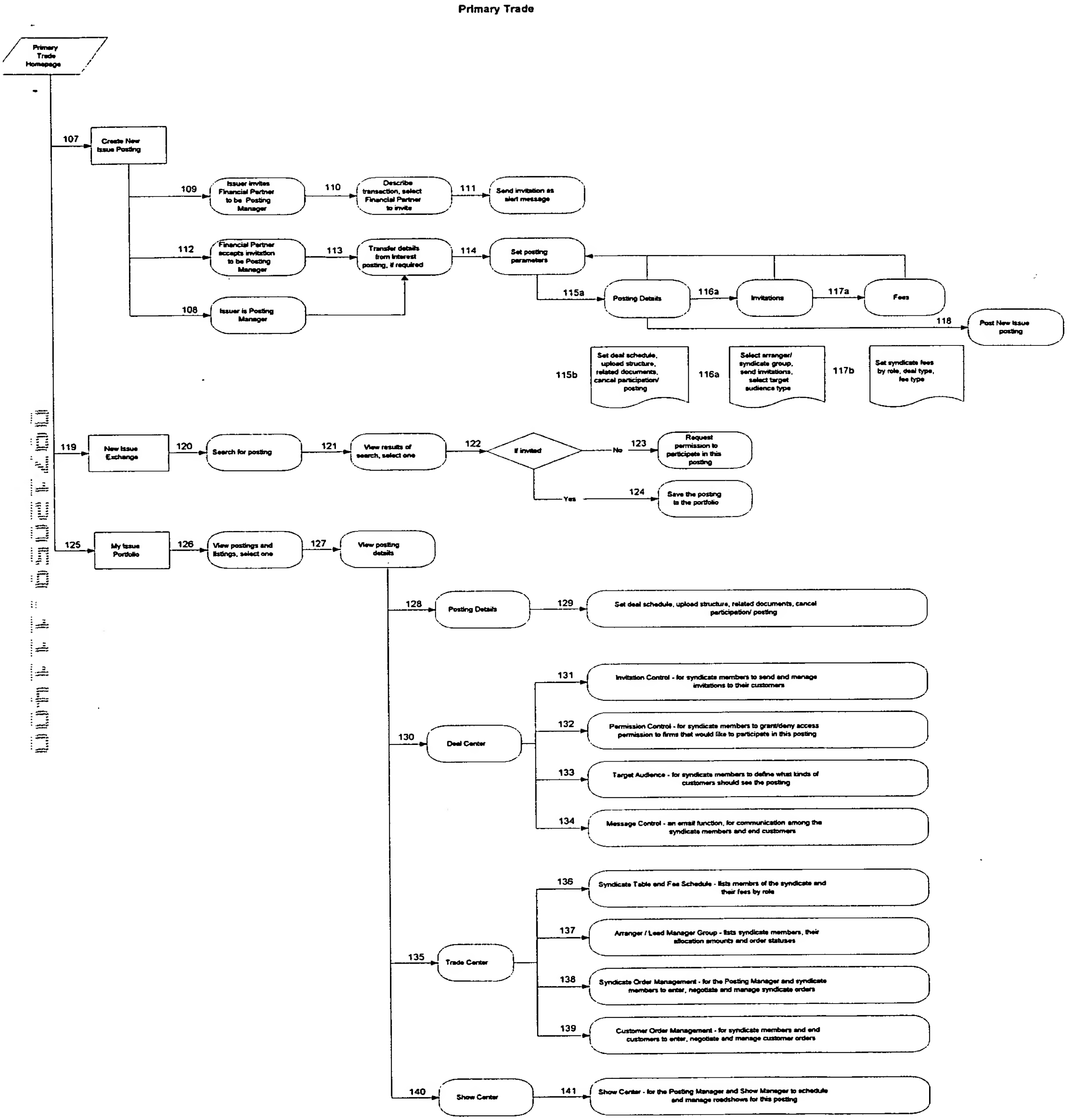
Document
60
Document Homepage
61
New Posting
62
Search+select firms, and grant them access to the posting
63
Set time schedule for expiry of posting
64
Search+select, upload/remove documents. set access rights by firm
65
From repository, from desktop computer, from DealComposer's legal document templates or files on/from the Internet
66
Document Posting
67
My Portfolio
68
View Document Postings
69
View Posting
70
Overview
71
Set posting access parameters, check who's online, cancel participation/posting
72
Document Control
73
Document Library - add/remove files from desktop computer, get legal document templates from DealComposer, send files to checklist
74
Checklist - view documents that need approval and firms that need to approve, grant/reject approval if authorized
75
Document Services
76
Legal counsel selection through invitation, auction. Legal counsels to upload contract documents
77
Translation services - select files to translate, send files to translation agents, monitor status of translation requests
78
Message Control
79
Email service - send, receive messages related to this posting
80
Deposit
81
Add files from desktop computer to the repository
82
Withdraw
83
Search repository for files to withdraw
84
View results of search, select files and withdraw them from the repository

FIG. 7



Due Diligence
85
Due Diligence Homepage
From repository, from desktop computer, from DealComposer's due diligence templates or files on/from the Internet
65
86
New Posting
87
Search+select firms, and grant them access to the posting
88
Set time schedule for expiry of posting
89
Search+select, upload/remove documents. set access rights by firm
91
My Due Dilgence Portfolio
90
Post Due Diligence Posting
92
View postings and listings, select one
93
View Posting
94
Overview
95
Set posting access, expiry date, check who's online, cancel participation/posting
97
My Materials - add/remove files from desktop computer, from repository, from due diligence templates on DealComposer, files from/on the Internet, send files to New Issue/Planning sections
96
Materials Library
98
Translation services - select files to translate, send files to translation agents, monitor status of translation requests
100
My New Issue - manage documents, files required for the offering document, arranged by section
99
New Issue
101
New Issue Checklist - view/approve files needed for the offering document, view status of files. Collate new issue documents to build the offering memorandum
103
My Plan - manage documents, files required for a business plan, arranged by section
102
Planning
104
Planning Checklist - view/approve files needed for the business plan, view status of files. Collate files to build the business plan
105
Financial Builder - create pro forma financial projections to support the business plan
78
Message Control
79
Email service - send, receive messages related to this posting

FIG. 8



Primary Trade
Primary Trade Homepage
107
Create New Issue Posting
109
Issuer invites Financial Partner to be Posting Manager
110
Describe transaction, select Financial Partner to invite
111
Send invitation as alert message
112
Financial Partner accepts invitation to be Posting Manager
113
Transfer details from interest posting, if required
114
Set posting parameters
108
Issuer is Posting Manager
115a
Posting Details
116a
Invitations
117a
Fees
118
Post New Issue posting
115b
Set deal schedule, upload structure, related documents, cancel participation/ posting
116a
Select arranger/ syndicate group, send invitations, select target audience type
117b
Set syndicate fees by role, deal type, fee type
119
New Issue Exchange
120
Search for posting
121
View results of search, select one
122
If invited
No
123
Request permission to participate in this posting
Yes
124
Save the posting to the portfolio
125
My Issue Portfolio
126
View postings and listings, select one
127
View posting details
128
Posting Details
129
Set deal schedule, upload structure, related documents, cancel participation/ posting
130
Deal Center
131
Invitation Control - for syndicate members to send and manage invitations to their customers
132
Permission Control - for syndicate members to grant/deny access permission to firms that would like to participate in this posting
133
Target Audience - for syndicate members to define what kinds of customers should see the posting
134
Message Control - an email function, for communication among the syndicate members and end customers
135
Trade Center
136
Syndicate Table and Fee Schedule - lists membrs of the syndicate and their fees by role
137
Arranger / Lead Manager Group - lists syndicate members, their allocation amounts and order statuses
138
Syndicate Order Management - for the Posting Manager and syndicate members to enter, negotiate and manage syndicate orders
139
Customer Order Management - for syndicate members and end customers to enter, negotiate and manage customer orders
140
Show Center
141
Show Center - for the Posting Manager and Show Manager to schedule and manage roadshows for this posting

FIG. 9

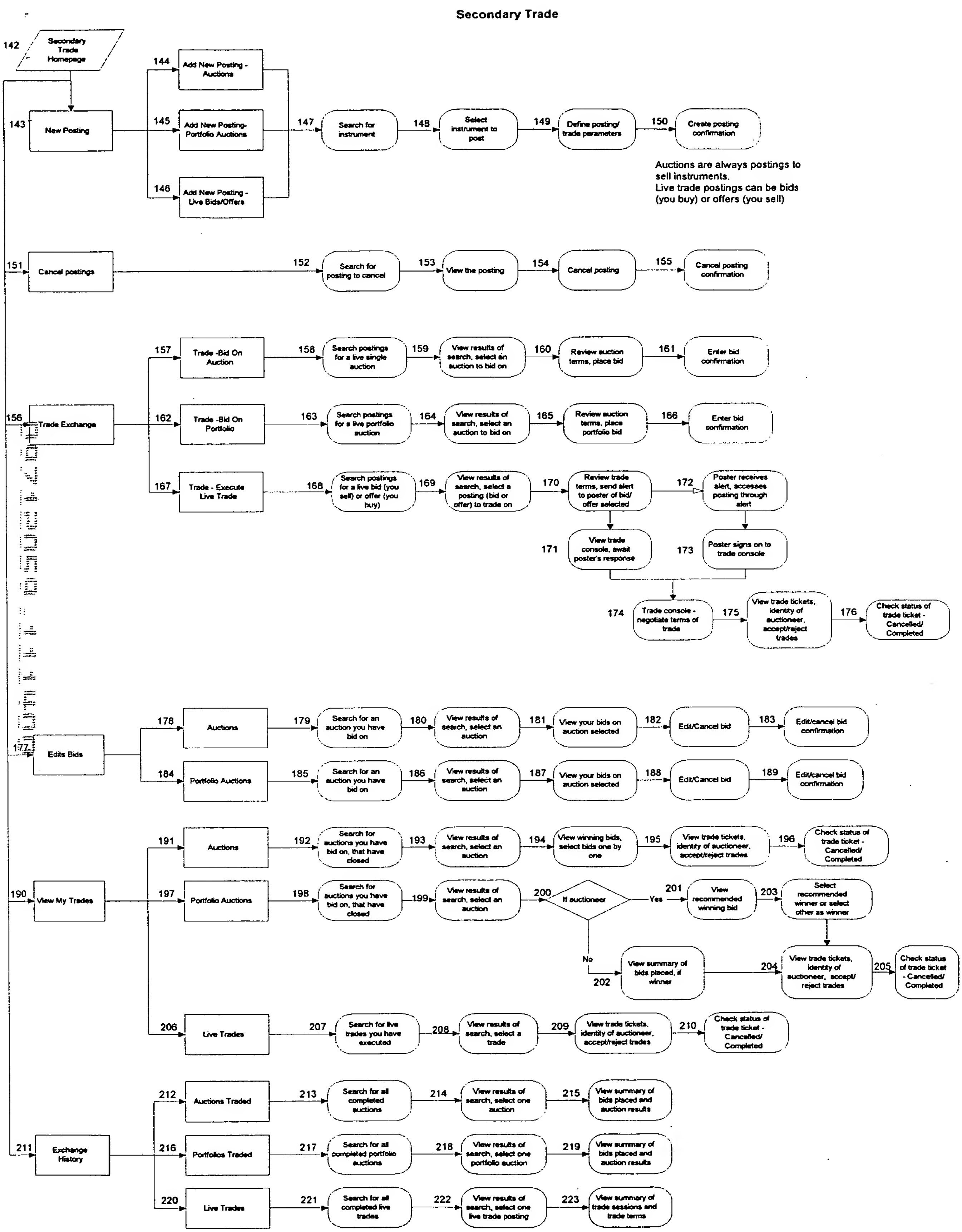

Secondary Trade
142 Secondary Trade Homepage
143 New Posting
144 Add New Posting - Auctions
145 Add New Posting-Portfolio Auctions
146 Add New Posting - Live Bids/Offers
147 Search for instrument
148 Select instrument to post
149 Define posting/ trade parameters
150 Create posting confirmation
Auctions are always postings to sell instruments.
Live trade postings can be bids (you buy) or offers (you sell)
151 Cancel postings
152 Search for posting to cancel
153 View the posting
154 Cancel posting
155 Cancel posting confirmation
156 Trade Exchange
157 Trade -Bid On Auction
158 Search postings for a live single auction
159 View results of search, select an auction to bid on
160 Review auction terms, place bid
161 Enter bid confirmation
162 Trade -Bid On Portfolio
163 Search postings for a live portfolio auction
164 View results of search, select an auction to bid on
165 Review auction terms, place portfolio bid
166 Enter bid confirmation
167 Trade - Execute Live Trade
168 Search postings for a live bid (you sell) or offer (you buy)
169 View results of search, select a posting (bid or offer) to trade on
170 Review trade terms, send alert to poster of bid/ offer selected
171 View trade console, await poster's response
172 Poster receives alert, accesses posting through alert
173 Poster signs on to trade console
174 Trade console - negotiate terms of trade
175 View trade tickets, identity of auctioneer, accept/reject trades
176 Check status of trade ticket - Cancelled/ Completed
177 Edits Bids
178 Auctions
179 Search for an auction you have bid on
180 View results of search, select an auction
181 View your bids on auction selected
182 Edit/Cancel bid
183 Edit/cancel bid confirmation
184 Portfolio Auctions
185 Search for an auction you have bid on
186 View results of search, select an auction
187 View your bids on auction selected
188 Edit/Cancel bid
189 Edit/cancel bid confirmation
190 View My Trades
191 Auctions
192 Search for auctions you have bid on, that have closed
193 View results of search, select an auction
194 View winning bids, select bids one by one
195 View trade tickets, identity of auctioneer, accept/reject trades
196 Check status of trade ticket - Cancelled/ Completed
197 Portfolio Auctions
198 Search for auctions you have bid on, that have closed
199 View results of search, select an auction
200 If auctioneer
Yes
201 View recommended winning bid
203 Select recommended winner or select other as winner
No
202 View summary of bids placed, if winner
204 View trade tickets, identity of auctioneer, accept/ reject trades
205 Check status of trade ticket - Cancelled/ Completed
206 Live Trades
207 Search for live trades you have executed
208 View results of search, select a trade
209 View trade tickets, identity of auctioneer, accept/reject trades
210 Check status of trade ticket - Cancelled/ Completed
211 Exchange History
212 Auctions Traded
213 Search for all completed auctions
214 View results of search, select one auction
215 View summary of bids placed and auction results
216 Portfolios Traded
217 Search for all completed portfolio auctions
218 View results of search, select one portfolio auction
219 View summary of bids placed and auction results
220 Live Trades
221 Search for all completed live trades
222 View results of search, select one live trade posting
223 View summary of trade sessions and trade terms

FIG. 10

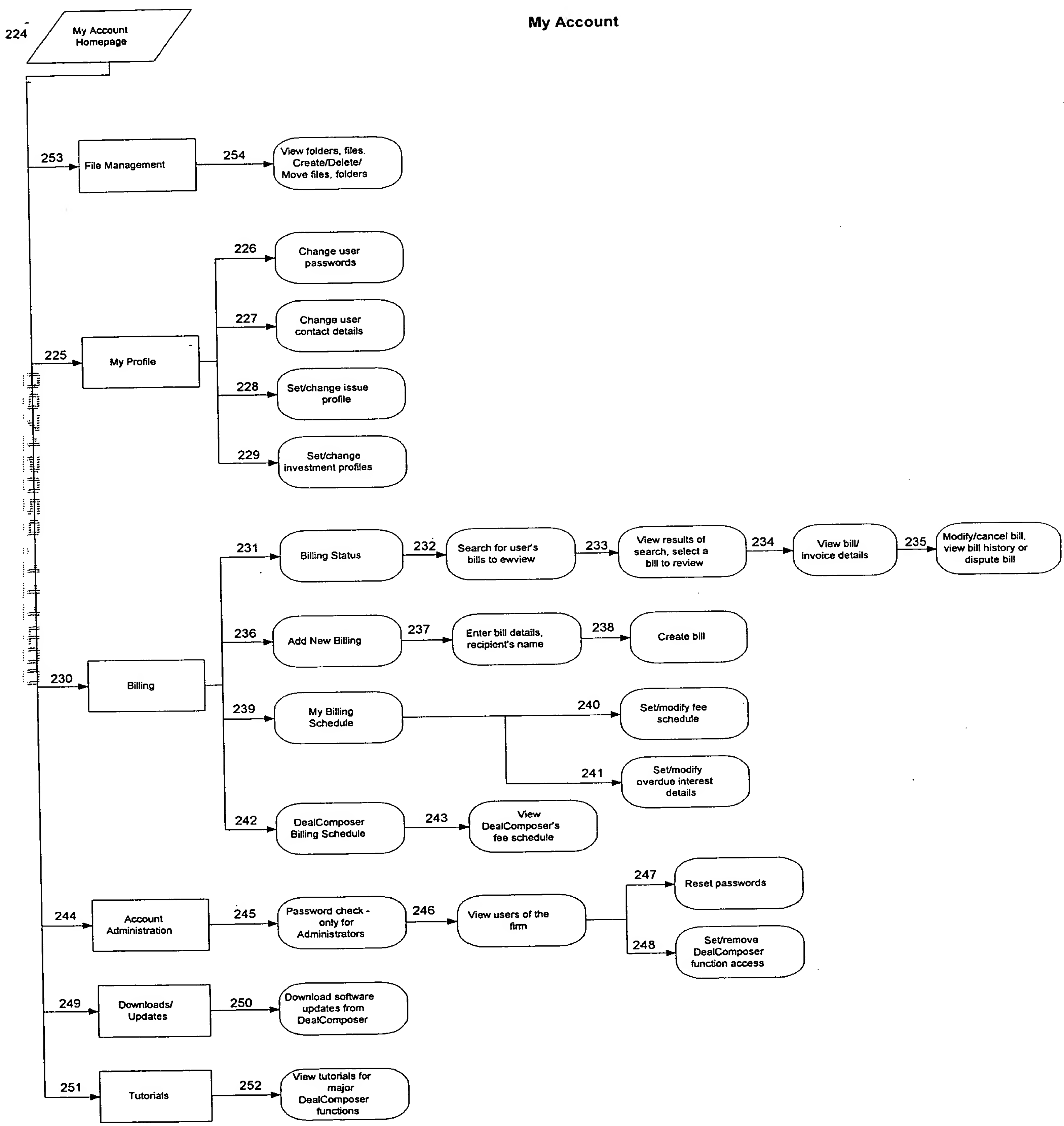

My Account
224
My Account Homepage
253
File Management
254
View folders, files. Create/Delete/ Move files, folders
225
My Profile
226
Change user passwords
227
Change user contact details
228
Set/change issue profile
229
Set/change investment profiles
230
Billing
231
Billing Status
232
Search for user's bills to ewview
233
View results of search, select a bill to review
234
View bill/ invoice details
235
Modify/cancel bill, view bill history or dispute bill
236
Add New Billing
237
Enter bill details, recipient's name
238
Create bill
239
My Billing Schedule
240
Set/modify fee schedule
241
Set/modify overdue interest details
242
DealComposer Billing Schedule
243
View DealComposer's fee schedule
244
Account Administration
245
Password check - only for Administrators
246
View users of the firm
247
Reset passwords
248
Set/remove DealComposer function access
249
Downloads/ Updates
250
Download software updates from DealComposer
251
Tutorials
252
View tutorials for major DealComposer functions

FIG. 11

Partners

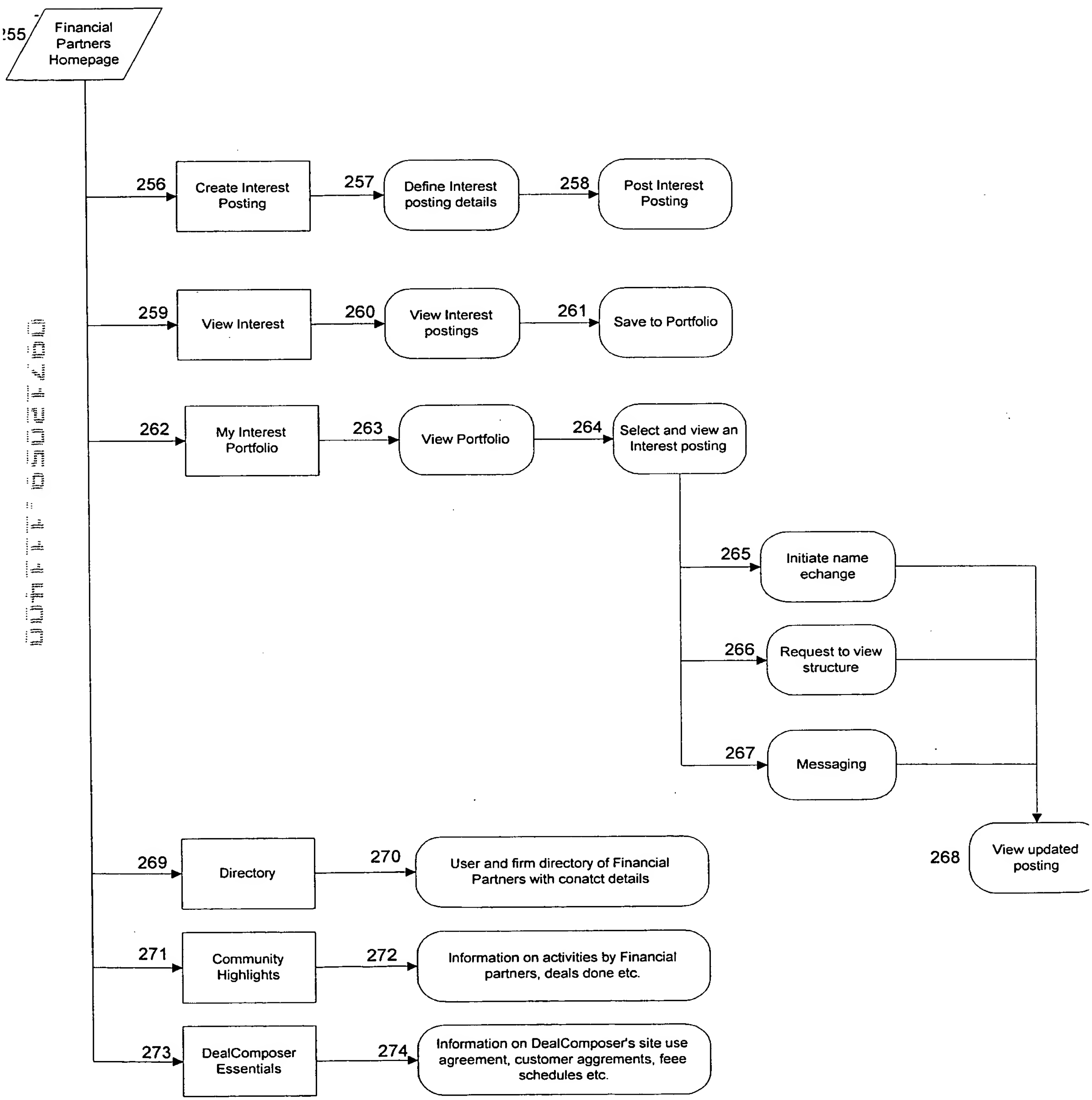


FIG. 12

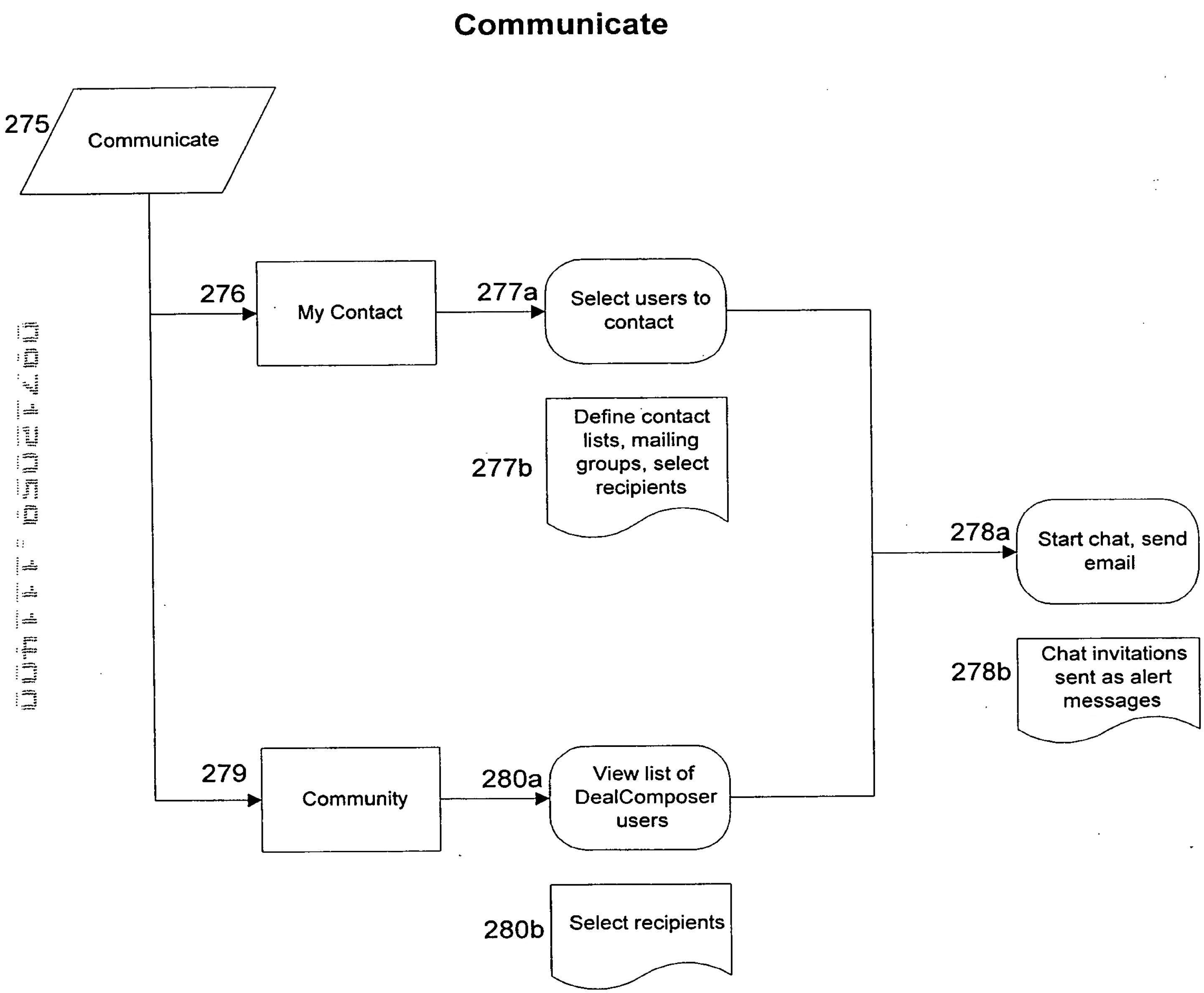

Communicate
275
Communicate
276
My Contact
277a
Select users to contact
277b
Define contact lists, mailing groups, select recipients
278a
Start chat, send email
278b
Chat invitations sent as alert messages
279
Community
280a
View list of DealComposer users
280b
Select recipients

FIG. 13

01 Control

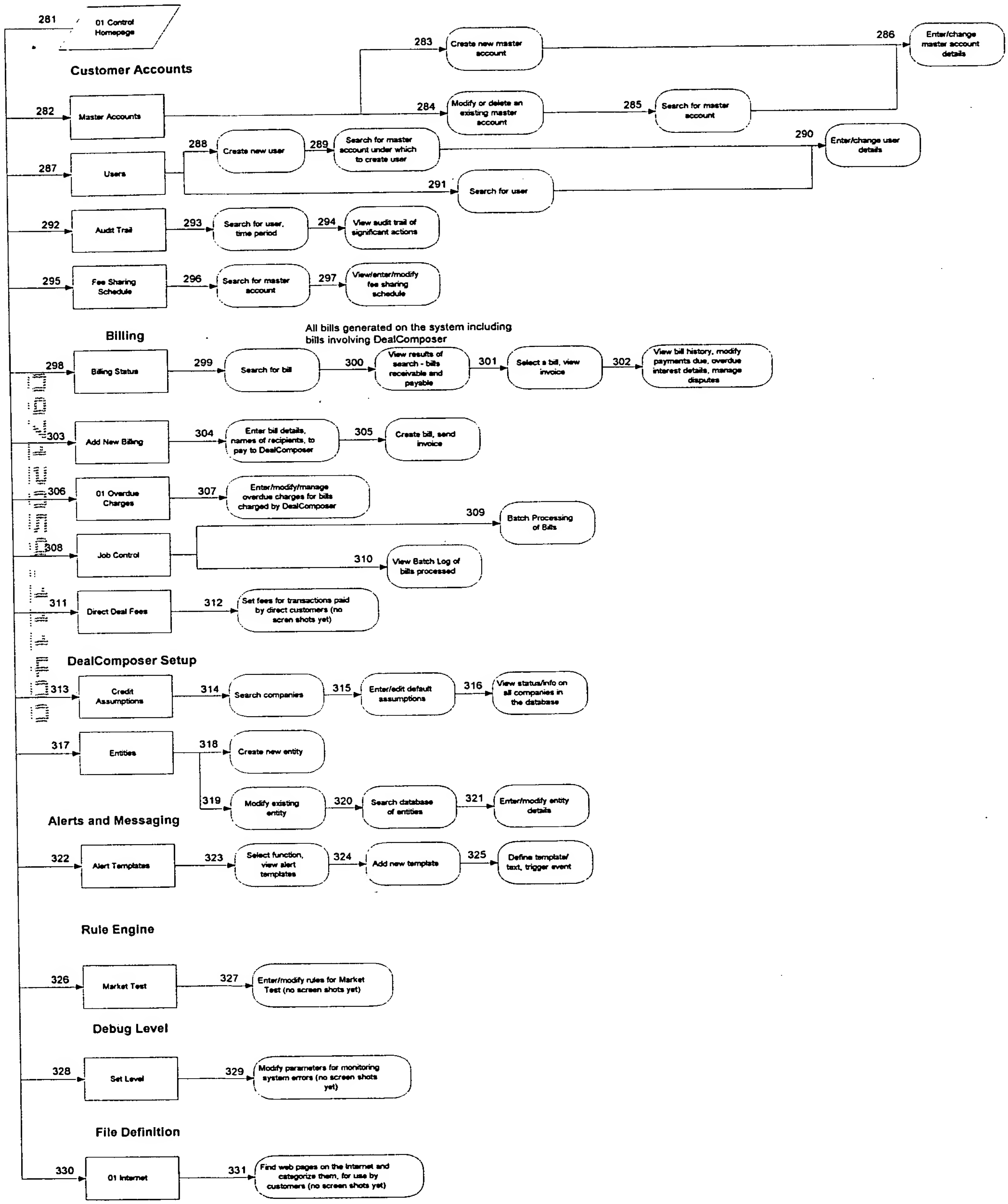


FIG. 14

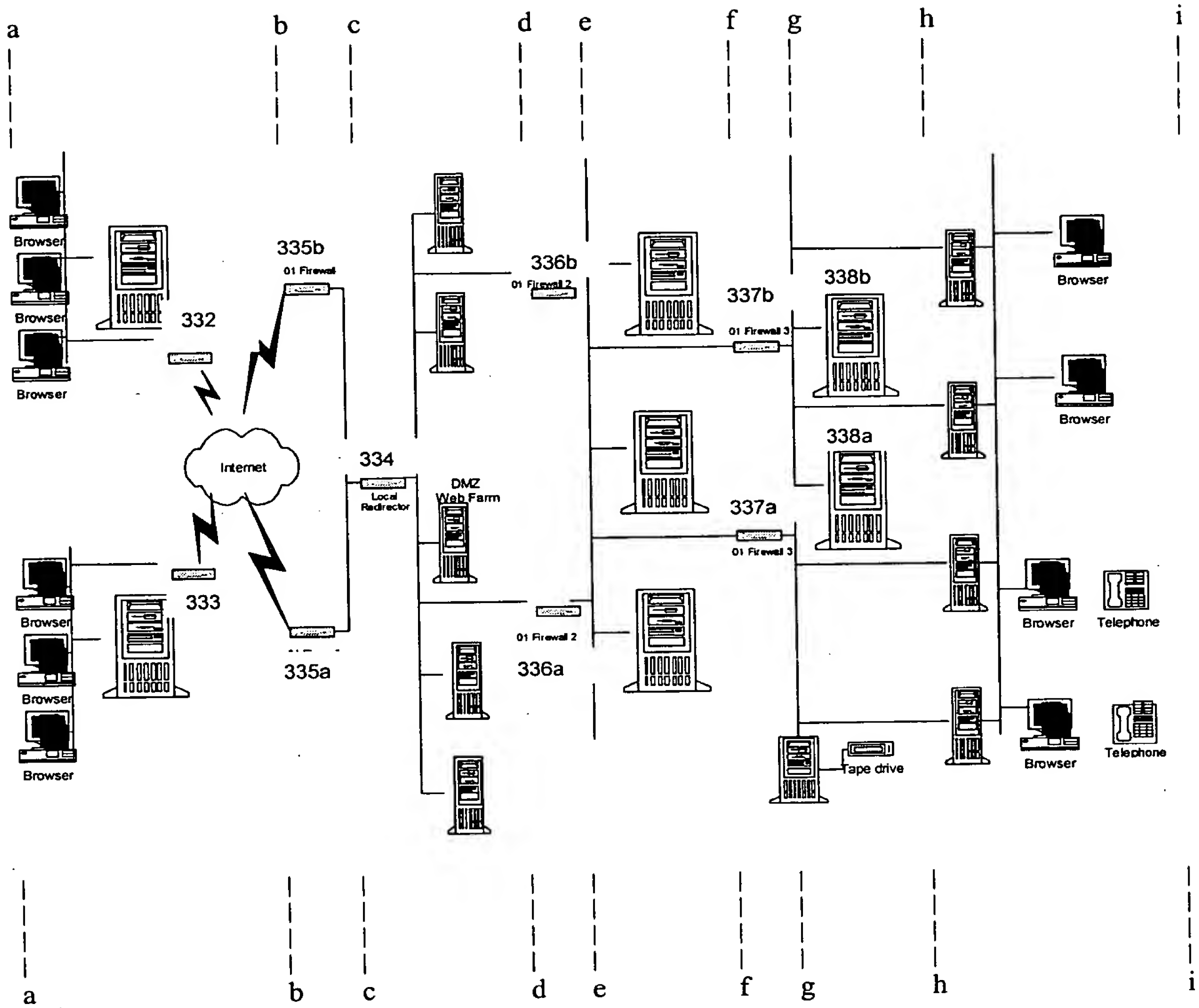
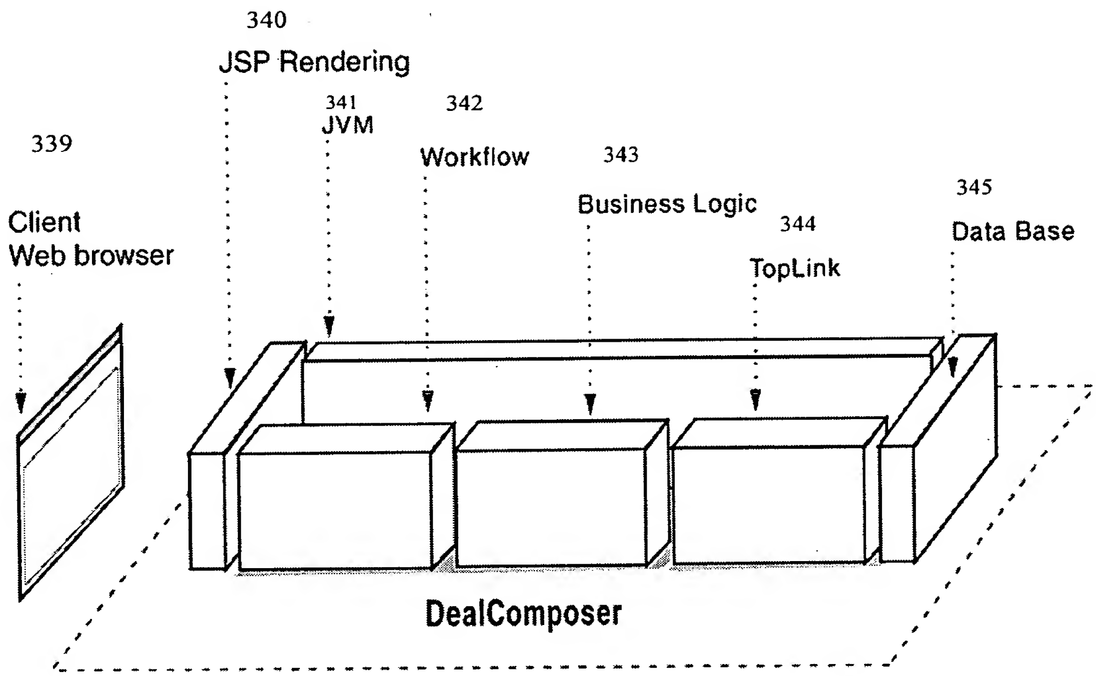
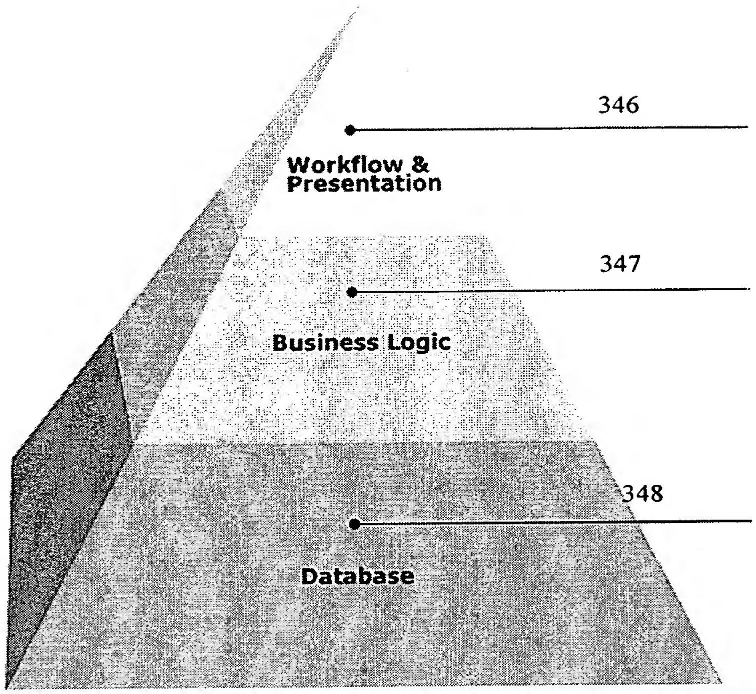

a
b
c
d
e
f
g
h
i
Browser
Browser
Browser
332
335b
01 Firewall
336b
01 Firewall 2
337b
01 Firewall 3
338b
Browser
Browser
Internet
334
Local Redirector
DMZ Web Farm
338a
337a
01 Firewall 3
333
Browser
Browser
Browser
01 Firewall 2
335a
336a
Browser
Telephone
Browser
Telephone
Tape drive
a
b
c
d
e
f
g
h
i

FIG. 15



N tiers approach

FIG. 16



Workflow & Presentation layer
Workflow contains sequence or procedure where documents, information or tasks are handle.

Business Logic layer
Business Logic consists of rules, functions, and business entities which Workflow layer components call to accomplish the job.

Database layer
Database layer serves as the persistent store of the business rules and entities. Database layer also serves as an abstraction layer, which hides any gateway to external systems.

FIG. 17

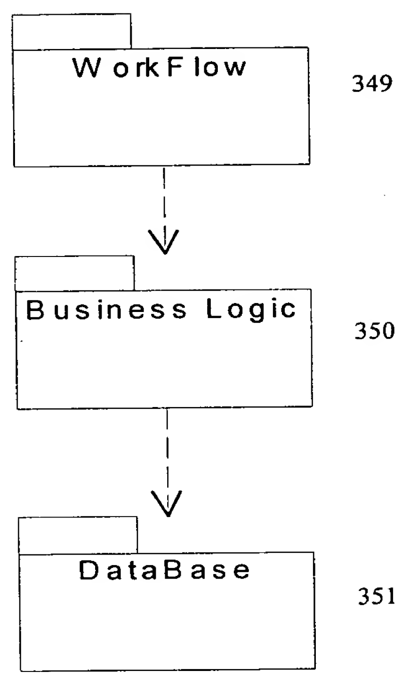
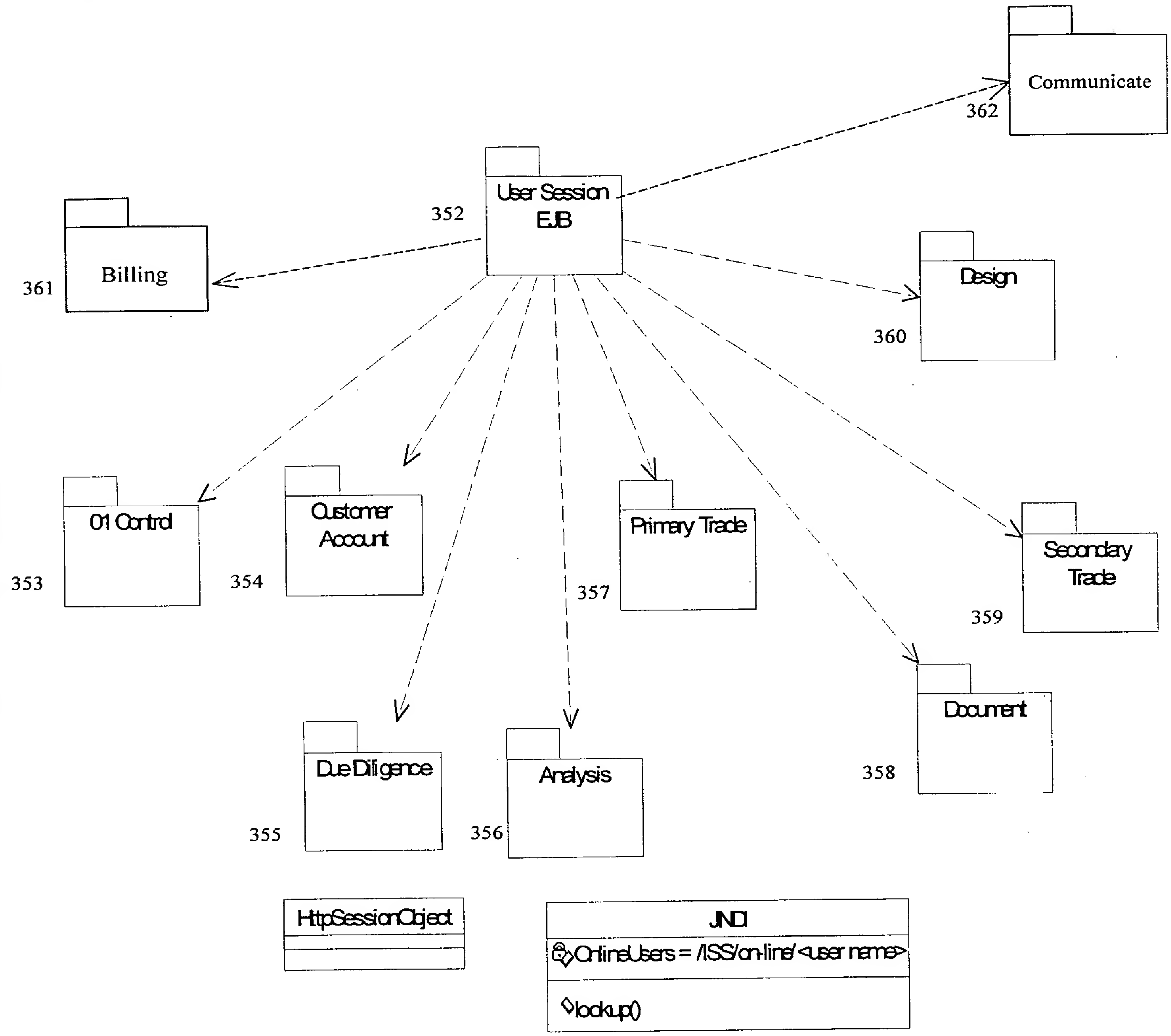


FIG. 18



Communicate
362
User Session
EJB
352
Billing
361
Design
360
01 Control
353
Customer
Account
354
Primary Trade
357
Secondary
Trade
359
Document
358
Due Diligence
355
Analysis
356
HttpSessionObject
JNDI
OnlineUsers = /ISS/on-line/<user name>
lookup()

FIG. 19

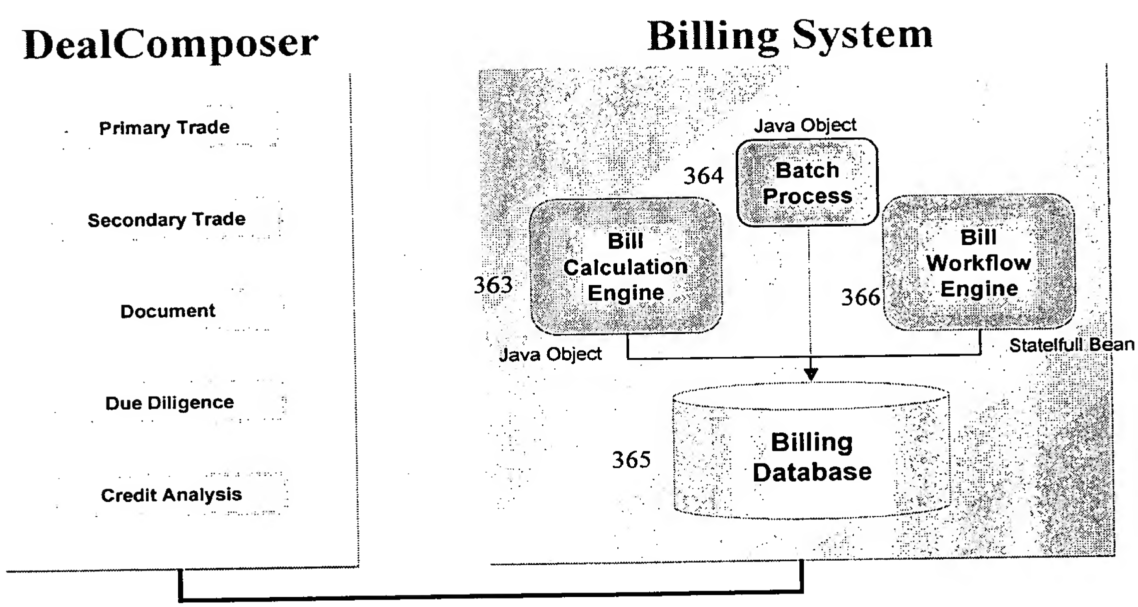

DealComposer
Primary Trade
Secondary Trade
Document
Due Diligence
Credit Analysis
Billing System
Java Object
364
Batch Process
Bill Calculation Engine
363
366
Bill Workflow Engine
Java Object
Statelfull Bean
365
Billing Database

FIG. 20

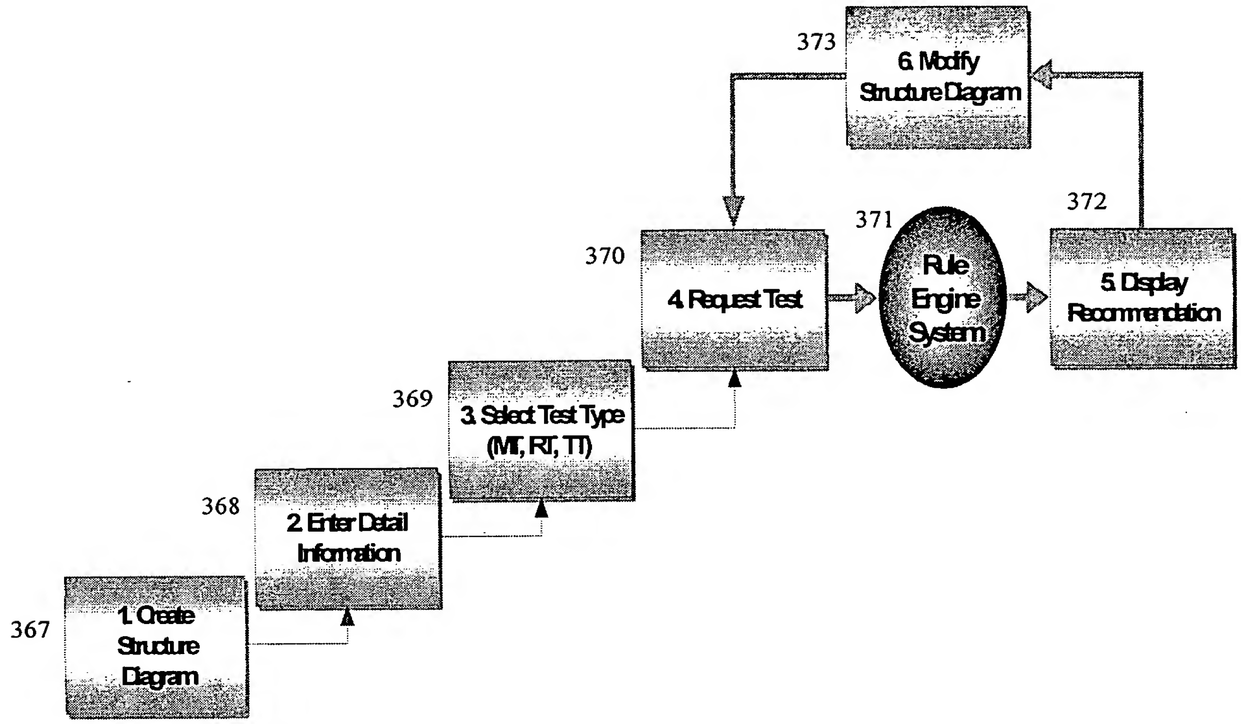

373
6. Modify Structure Diagram
372
371
370
4. Request Test
Rule Engine System
5. Display Recommendation
369
3. Select Test Type (MT, RT, TT)
368
2. Enter Detail Information
367
1. Create Structure Diagram

FIG. 21

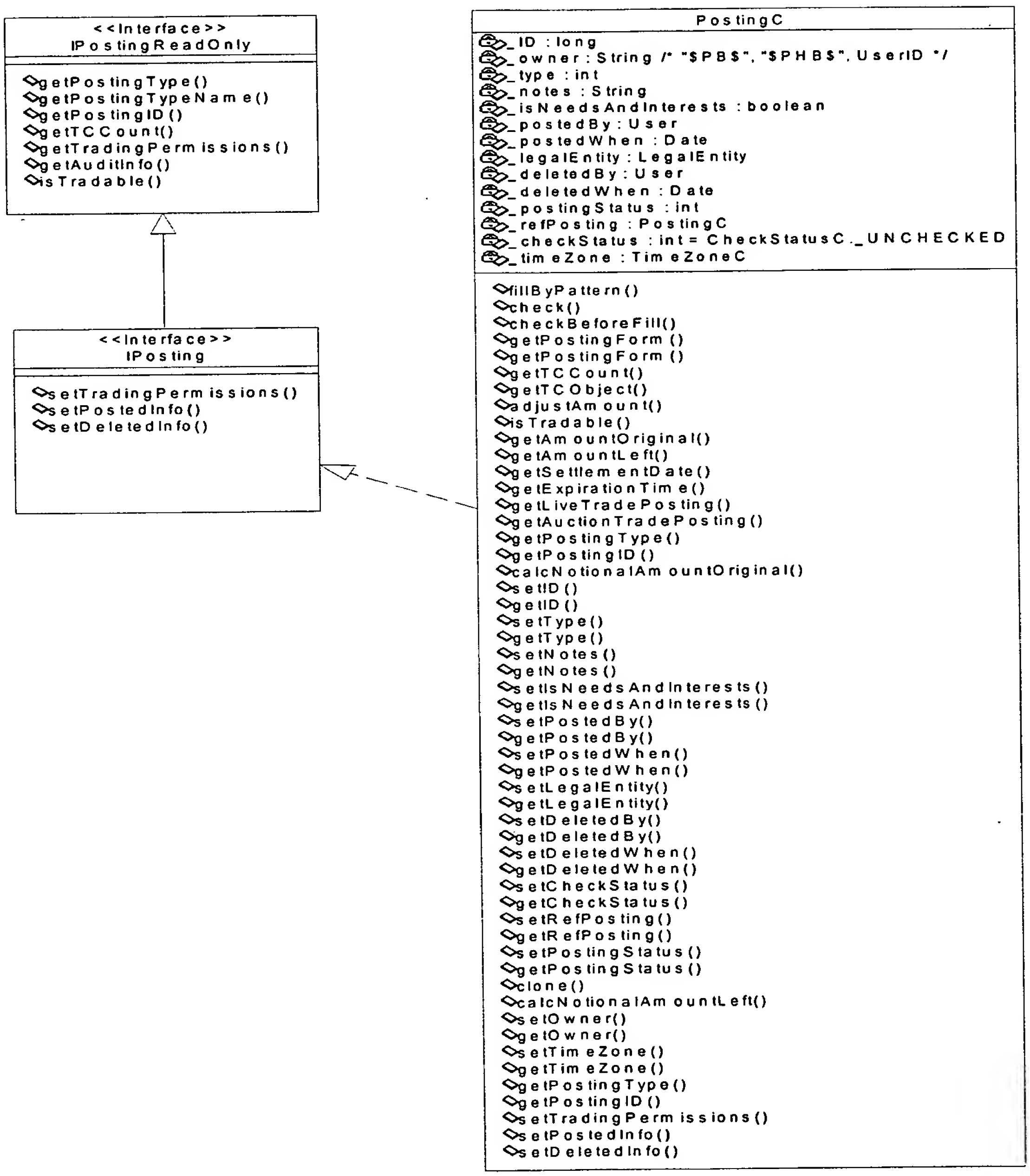

<<Interface>>
IPostingReadOnly
getPostingType()
getPostingTypeName()
getPostingID()
getTCCount()
getTradingPermissions()
getAuditInfo()
isTradable()
<<Interface>>
IPosting
setTradingPermissions()
setPostedInfo()
setDeletedInfo()
PostingC
_ID : long
_owner : String /* "PB", "PHB", UserID */
_type : int
_notes : String
_isNeedsAndInterests : boolean
_postedBy : User
_postedWhen : Date
_legalEntity : LegalEntity
_deletedBy : User
_deletedWhen : Date
_postingStatus : int
_refPosting : PostingC
_checkStatus : int = CheckStatusC._UNCHECKED
_timeZone : TimeZoneC
fillByPattern()
check()
checkBeforeFill()
getPostingForm()
getPostingForm()
getTCCount()
getTCObject()
adjustAmount()
isTradable()
getAmountOriginal()
getAmountLeft()
getSettlementDate()
getExpirationTime()
getLiveTradePosting()
getAuctionTradePosting()
getPostingType()
getPostingID()
calcNotionalAmountOriginal()
setID()
getID()
setType()
getType()
setNotes()
getNotes()
setIsNeedsAndInterests()
getIsNeedsAndInterests()
setPostedBy()
getPostedBy()
setPostedWhen()
getPostedWhen()
setLegalEntity()
getLegalEntity()
setDeletedBy()
getDeletedBy()
setDeletedWhen()
getDeletedWhen()
setCheckStatus()
getCheckStatus()
setRefPosting()
getRefPosting()
setPostingStatus()
getPostingStatus()
clone()
calcNotionalAmountLeft()
setOwner()
getOwner()
setTimeZone()
getTimeZone()
getPostingType()
getPostingID()
setTradingPermissions()
setPostedInfo()
setDeletedInfo()

FIG. 21

		Settlement	YTM	YTC/YTP	YTConversion	YTW	Discount Margin	Quoted Margin	flow Schedule	nd Amortization	S nl n F n
Bonds, Money Market, Loans											
Currency of Denomination											
Single	X	X	X	X	X?	X?	X	X	X	X*	X
Multiple											
Coupon Types											
Zero Coupon	X	X	X	X	X?	X?	X	X	X	X*	X
Fixed (Single) Coupons	X	X	X	X	X?	X?	X	X	X	X*	X
Floating (Single) Coupons (Type +/-/0 Spread)	X	X	X	X	X?	X?	X	X	X	X*	X
Above with linear step-up/step-down feature											
Fixed (Multiple) Coupons											
Floating (Multiple) Coupons (Type +/-/0 Spread)											
By Formula (limited to above types) for periodic date schedule											
By Formula (limited to above types) for any date schedule											
Inverse Floating Coupons											
By Formula (unlimited) for any date schedule											
Payment Timing in Arrears or Advance	X	X	X	X	X?	X?	X	X	X		X
Redemption Types											
Single Bullet	X	X	X	X	X?	X?	X	X	X		X
Amortizing (Equal Principal Payments)	X*	X	X	X	X?	X?	X	X	X		X
Amortizing (Equal Total Payments)	X*	X	X	X	X?	X?	X	X	X		X
Amortizing (Scheduled Payments)	X*	X	X	X	X?	X?	X	X	X		X
Indexed (Bullet)											
Indexed (Amortizing of above types)											
Day Count Methods											
Actual360	X	X	X	X	X?	X?	X	X	X		X
Actual365	X	X	X	X	X?	X?	X	X	X		X
ActualJ365	X	X	X	X	X?	X?	X	X	X		X
ActualActual	X	X	X	X	X?	X?	X	X	X		X
End365	X	X	X	X	X?	X?	X	X	X		X
Thirty360	X	X	X	X	X?	X?	X	X	X		X
ThirtyE360	X	X	X	X	X?	X?	X	X	X		X
ThirtyU360	X	X	X	X	X?	X?	X	X	X		X
TrActual	X	X	X	X	X?	X?	X	X	X		X
Yield Calculations Types											
Please sheets named CalcMeth (Generic) and CalcMeth (Asia MM)		X	X	X	X?	X?	X	X	X		X
Embedded Options											
Issuer Call	X	X	X	X	X?	X?	X	X	X		X
Bond Holder Put	X	X	X	X	X?	X?	X	X	X		X
Conversion to Stock by Issuer	X?	X	X	X	X?	X?	X	X	X		X
Conversion to Stock by Bond Holder	X?	X	X	X	X?	X?	X	X	X		X
Other embedded options from payment guarantees											
Guarantees as options											
Collateral or security features as options											
Limited Recourse as an option											
Tranche draw downs features											
Single Tranche	X	X	X	X	X?	X?	X	X	X	X*	X
Multiple Tranche	X	X	X	X	X?	X?	X	X	X	X*	X
Fixed Maturity	X	X	X	X	X?	X?	X	X	X	X*	X
Fixed Term	X	X	X	X	X?	X?	X	X	X	X*	X
Fixed Amount	X	X	X	X	X?	X?	X	X	X	X*	X
Fixed Nominal Amount Aggregate Tranches	X	X	X	X	X?	X?	X	X	X	X*	X